

STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING **ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/433,777
Source: 1FW16
Date Processed by STIC: 8/29/06

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) **INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
- 2) **TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY**

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.4.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. **EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>) , EFS Submission User Manual - ePAVE)**
2. **U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450**
3. **Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05): U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314**

Revised 01/10/06

Raw Sequence Listing Error Summary

ERROR DETECTED

SUGGESTED CORRECTION

SERIAL NUMBER: 09/433,777

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

1 **Wrapped Nucleic
Wrapped Aminos** The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor **after** creating it. Please adjust your right margin to .3; this will prevent "wrapping."

2 **Invalid Line Length** The rules require that a line **not exceed** 72 characters in length. This includes white spaces.

3 **Misaligned Amino
Numbering** The numbering under each 5th amino acid is misaligned. Do **not** use tab codes between numbers; use **space characters**, instead.

4 **Non-ASCII** The submitted file was **not** saved in ASCII(DOS) text, as **required** by the Sequence Rules. **Please ensure your subsequent submission is saved in ASCII text.**

5 **Variable Length** Sequence(s) _____ contain n's or Xaa's representing more than one residue. **Per Sequence Rules, each n or Xaa can only represent a single residue.** Please present the **maximum** number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.

6 **PatentIn 2.0
"bug"** A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. **This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.**

7 **Skipped Sequences
(OLD RULES)** Sequence(s) _____ missing. If intentional, please insert the following lines for **each** skipped sequence:
(2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
(i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
This sequence is intentionally skipped
Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.

8 **Skipped Sequences
(NEW RULES)** Sequence(s) _____ missing. If **intentional**, please insert the following lines for **each** skipped sequence.
<210> sequence id number
<400> sequence id number
000

9 **Use of n's or Xaa's
(NEW RULES)** Use of n's and/or Xaa's have been detected in the Sequence Listing.
Per 1.823 of Sequence Rules, use of <220>-<223> is **MANDATORY** if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

10 **Invalid <213>
Response** Per 1.823 of Sequence Rules, the only **valid** <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is **required** when <213> response is Unknown or is Artificial Sequence. (see item 11 below)

11 **Use of <220>** Sequence(s) _____ missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is **MANDATORY** if <213> "Organism" response is "Artificial Sequence" or "Unknown". Please explain source of genetic material in <220> to <223> section or use "chemically synthesized" as explanation. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32), also Sec. 1.823 of Sequence Rules

12 **PatentIn 2.0
"bug"** Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.

13 **Misuse of n/Xaa** "n" can **only** represent a single nucleotide; "Xaa" can **only** represent a single amino acid



IFW16

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/433,777

DATE: 08/29/2006
TIME: 08:38:27

Input Set : N:\RJAVED\09433777.txt
Output Set: N:\CRF4\08292006\I433777.raw

3 <110> APPLICANT: Haynes, Joel
4 Widera, Georg
5 Fuller, James
6 Shipley, Timothy
7 Fuller, Deborah
8 Wu, Mary
10 <120> TITLE OF INVENTION: ADJUVANTED GENETIC VACCINES
12 <130> FILE REFERENCE: 036481-0135
14 <140> CURRENT APPLICATION NUMBER: US 09/433,777
15 <141> CURRENT FILING DATE: 1999-11-03
17 <150> PRIOR APPLICATION NUMBER: US 09/122,931
18 <151> PRIOR FILING DATE: 1998-07-27
20 <150> PRIOR APPLICATION NUMBER: US 08/472,085
21 <151> PRIOR FILING DATE: 1995-06-07
23 <160> NUMBER OF SEQ ID NOS: 7
25 <170> SOFTWARE: PatentIn version 3.0

ERRORED SEQUENCES

27 <210> SEQ ID NO: 1
28 <211> LENGTH: 10
29 <212> TYPE: DNA
30 <213> ORGANISM: Artificial
32 <220> FEATURE:
33 <223> OTHER INFORMATION: translation initiation sequence
35 <400> SEQUENCE: 1
E--> 36 gccaccatgg
37 10
39 <210> SEQ ID NO: 2
40 <211> LENGTH: 10
41 <212> TYPE: DNA
42 <213> ORGANISM: Artificial
44 <220> FEATURE:
45 <223> OTHER INFORMATION: translation initiation sequence
47 <400> SEQUENCE: 2
E--> 48 gcccccatgg
49 10
51 <210> SEQ ID NO: 3
52 <211> LENGTH: 20
53 <212> TYPE: DNA
54 <213> ORGANISM: Artificial
56 <220> FEATURE:

see item 4 on
Error
summary
sheet

see pp 1-2
Does Not Comply
Corrected Diskette Needed
(see item 11
on Error
summary
sheet)

what is the source of genetic material?
(global
error)

10 → see item 1 on Error summary sheet
(see item 1 on Error summary sheet)

10 → same error
(see item 1 on Error summary sheet)

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/433,777

DATE: 08/29/2006

TIME: 08:38:27

Input Set : N:\RJAVED\09433777.txt
Output Set: N:\CRF4\08292006\I433777.raw

57 <223> OTHER INFORMATION: synthetic oligonucleotide comprising CpG motifs

59 <400> SEQUENCE: 3

E--> 60 tccatgacgt tcctgatgct *20*

61 20

63 <210> SEQ ID NO: 4

64 <211> LENGTH: 17

65 <212> TYPE: DNA

66 <213> ORGANISM: C. limosum

68 <400> SEQUENCE: 4

E--> 69 gactctcgag cgttctc *17*

70 17

98 <210> SEQ ID NO: 7

99 <211> LENGTH: 12

100 <212> TYPE: PRT

101 <213> ORGANISM: Artificial

103 <220> FEATURE:

104 <223> OTHER INFORMATION: peptide used to stimulate CTL precursors

106 <400> SEQUENCE: 7

108 Ile Pro Gln Ser Leu Asp Ser Trp Trp Thr Ser Leu

109 1 5 10

E--> 113 *1* *delete*

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/433,777

DATE: 08/29/2006

TIME: 08:38:28

Input Set : N:\RJAVED\09433777.txt

Output Set: N:\CRF4\08292006\I433777.raw

L:36 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:10 SEQ:1
L:48 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:10 SEQ:2
L:60 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:20 SEQ:3
L:69 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:17 SEQ:4
L:113 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:7